



WATER LICENCE INSPECTION FORM

☒ Original

☐ Follow-Up Report

Licensee		Licensee Representative	
B2Gold Nunavut		Merle Keefe	
Licence No. / Expiry		Representative's Title	
2AM-BRP1831		Environmental Manger	
Land / Other Authorizations		Land / Other Authorizations	
Date of Inspection		Inspector	
14/11/2024		Isaiah James Bolt	
Activities Inspected			
<input checked="" type="checkbox"/> Camp	<input type="checkbox"/> Drilling	<input type="checkbox"/> Mining	<input type="checkbox"/> Construction
<input type="checkbox"/> Roads/Hauling	<input type="checkbox"/> Other:	<input type="checkbox"/> Reclamation	<input checked="" type="checkbox"/> Fuel Storage
<input type="checkbox"/> Other: Care & Maintenance			

Conditions: **A - Acceptable** **C - Concern** **U - Unacceptable** **NA – Not Applicable** **NI – Not Inspected**

Water Use			Site Conditions			Haz/Mat Management		
Intake/Screen	A		Water Management Structures	A		Storage	C	
Flow Measure. Device	U		Culverts / Bridges	A		Spills		
Source:	A		Drainage	A		Spill Plan		
Water Use:			Erosion / Sediment	A				
Recirculation (y /n)			Mitigation Measures	A		Administrative		
			Reclamation Activities	A		Records		
			Materials Storage	A		Reports	A	
Waste Disposal			Signage			Plans		
Waste Water	NI					Notifications		
Solid Waste	C		Monitoring			Other		
Hazardous Waste	A		Sample Collection / Analysis			Quarry		

**The number in the comments field will correspond with specific comments provided below.*

Samples taken by Inspector:	Location(s):
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	

SECTION 1 ☒ Comments (s.__) ☐ Non-Compliance with Act or Licence (s.__) ☐ Action Required (s. __)

On November 14, 2024, I, Isaiah James Bolt, Inspector with the Crown Indigenous Relations and Northern Affairs Canada (CIRNAC), accompanied by Inspector Jonathan Mesher with CIRNAC, conducted an inspection of 2AM-BRP1831 to ensure compliance against their License.

1. Inspection of Goose lake camp started at 10:05am

2. At the drilling laydown, 2 drums of gasoline were stored in secondary containment but the hose used for refuelling was out of containment. Potential leaks from the connections on the hose, filter and nozzle could migrate out of containment by flowing down the hose and onto the ground. (Photo #1).

3. The main water source pump house was inspected. (Photo #2) Inspectors noted that there was no flow meter on the water pumps. Chris LeGoffe from B2gold had stated that flow meters were ordered and not yet installed. The camp is using water logs on the water trucks to track how much water is being used in camp. (Photo #3) shows one of the water intake screens.

4. Hazardous containment: (Photo #4) shows a drum in secondary containment with no lid. (Photo #5) shows Nexseal 2.0 out of secondary containment and the information on the drum. The information sticker on the drum (Photo #6) shows a corrosive symbol on it and under the Accidental Release Measures it states “Do not allow to enter drains, sewers, or watercourses”.

5. Z-3 MAX, a corrosive material, was also observed outside of secondary containment. (Photo #7)

6. Similar to comment #1, A hose from a refuelling station was observed out of secondary containment (Photo #8)

7. At the emulsion plant, 2 drums of gasoline were observed out of secondary containment.

8. Approximately 30 empty drums were observed stored beside the air strip outside of secondary containment.

9. The pile of wood and cardboard beside the open burn area was observed to have plastics mixed in with the burnable items. Plastic is not an acceptable open burn item. Non burnable items shall be removed and proper sorting shall be achieved before open burning occurs.

SECTION 2 ☐ Comments ☒ Non-Compliance with Act or Licence ☐ Action Required

-Mobile refuelling station hoses out of secondary containment and Hazardous materials and hydrocarbons drums stored outside of secondary containment. Part D, item 12 of Amendment No.1 of 2AM-BRP1831 states “The licensee shall prevent any chemicals, petroleum products, fuel, or wastes associated with the Undertaking from entering any Water body.” Part H item 3 of Amendment No.1 of 2AM-BRP1831 states: “The licensee shall provide secondary containment for fuel and chemical storage as required by applicable standards and acceptable industry practice.”

-No flow meter at the water intake station. Part I Item 3 of Amendment No. 1 of 2AM-BRP1831 states: “The Licensee shall install and



maintain flow meters or other such devices, or implement suitable methods required to measure Water use and Effluent discharge volumes, to be operated and maintained to the satisfaction of the inspector.”

-Non burnable items observed mixed in with burnable materials. (Open burn area) Part F, item 14 of Amendment No.1 of 2AM-BRP1831 states: “The Licensee shall not open burn plastics, wood treated with preservatives, electric wire, Styrofoam, asbestos or painted wood to prevent the deposition of waste materials of incomplete combustion and/or leachate from contaminated ash residual, from impacting any surrounding Waters, unless otherwise approved by the board in writing.”

SECTION 3

☐ Comments

☐ Non-Compliance with Act or Licence

☒ Action Required

- The licensee shall store all fuel drums and hazardous materials in secondary containment. Drip trays shall be utilized in areas where refueling occurs and used for preventative measures for potential leaks on all hose connections.
- Flow meters shall be installed and maintained at all water intake and effluent discharge facilities.
- Empty fuel drums shall be consolidated and prepped for shipment off site to ensure on going reclamation.
- Plastics shall be removed from the open burn pile. Plastics shall be sorted out of the burnable material before the material is placed in the open burn area.

Licensee or Representative	Inspector's Name
Merle Keefe	Isaiah James Bolt
Signature	Signature
<i>Merle Keefe</i>	<i>James Bolt</i>
Date	Date
December 13, 2024	05/12/2024

Office Use Only:

Follow-up report to be issued by Inspector

☐ Yes ☒ No

cc. CIRNAC, Manager Field Operations, Iqaluit, Jeremy.fraser@rcaanc.cirnac.gc.ca

Nunavut Water Board, Manager of Licensing, Gjoa Haven, licensing@nwb-oen.ca

Date	Camera	Inspector
November 14, 2024	Olympus Tough TG-6	Isaiah James Bolt

Photo Log # 1

Photo 1



Fuel drums stored in secondary containment, refuelling hose not in containment.



Photo Log

Photo 2



Water intake facility, Main camp.

Photo Log

Photo 3



Water intake screen.



Photo Log

Photo 4



Open container inside insta berm. Hazardous waste containers shall be sealed from the elements.

Photo Log

Photo 5

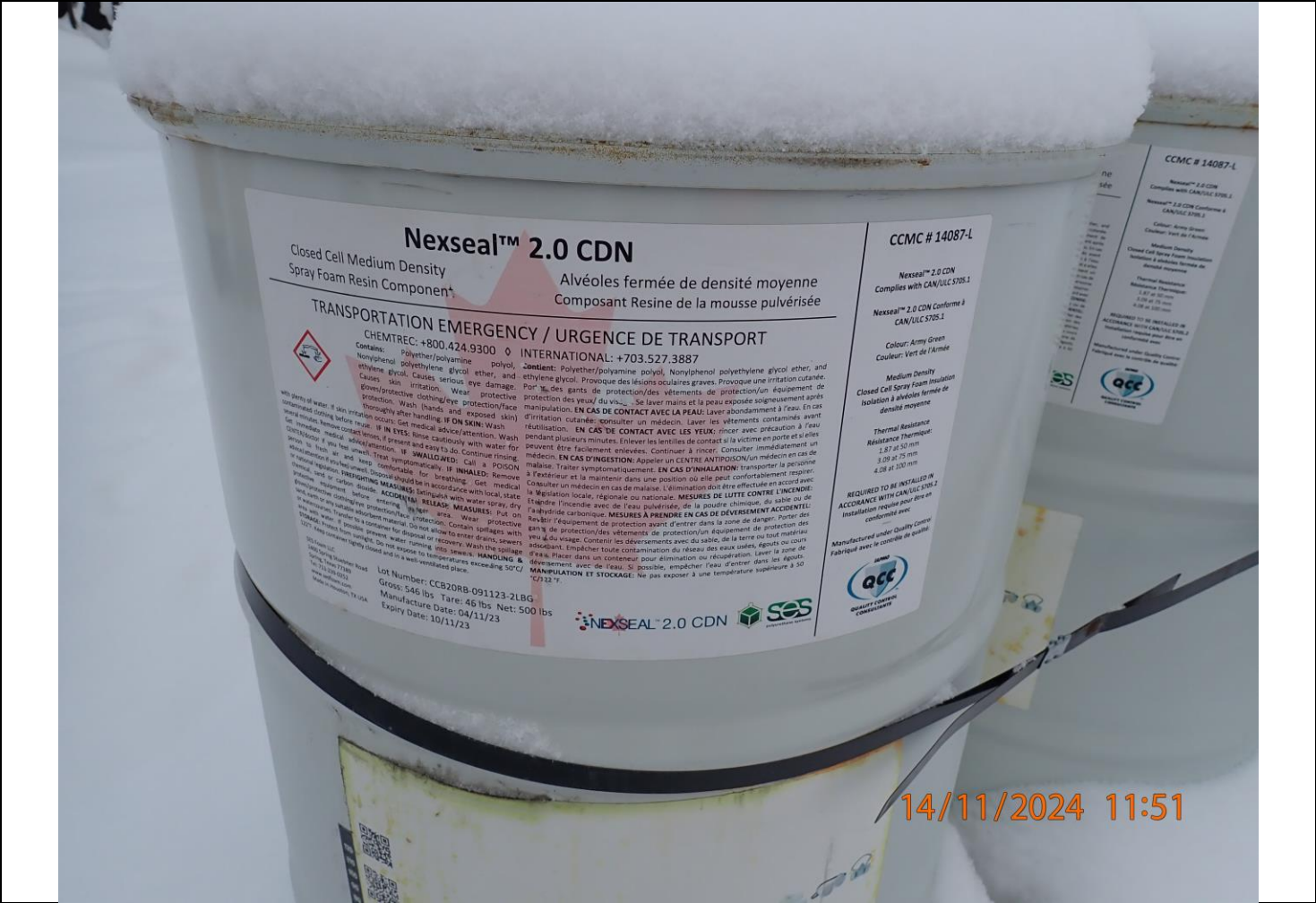


Nexseal 2.0 stored outside of secondary containment



Photo Log

Photo 6



Nexseal 2.0 information sticker, showing corrosive symbol.

Photo Log

Photo 7



Z-3MAX stored outside of secondary containment, corrosive material sticker shown.



Photo Log

Photo 8



Refueling station hose and nozzle not stored in drip tray. Potential leaks can migrate from connections down the hose and onto the ground.

Photo Log

Photo 9



Gasoline outside of secondary containment at the emulsion plant area.



Photo Log

Photo 10



14/11/2024 14:28

Empty fuel drums stored beside the air strip.

Photo Log

Photo 11



14/11/2024 14:45

Wood, cardboard and plastics mixed together at the open burn area.